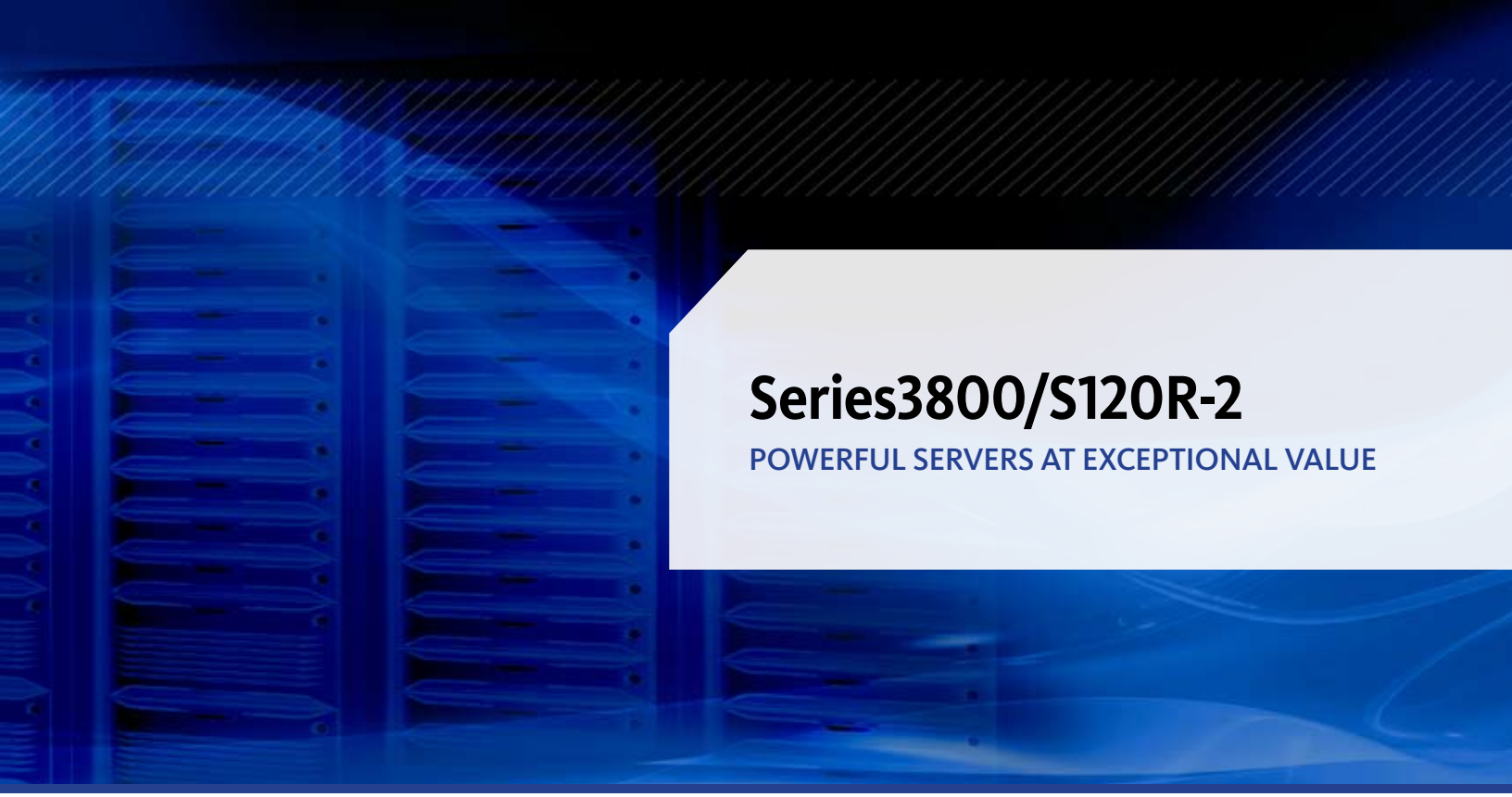

Series3800/S120R-2

POWERFUL SERVERS AT EXCEPTIONAL VALUE

Key Features

- Quad-Core or Dual-Core Intel® 64-bit Xeon® with 667 / 1066 / 1333 MHz FSB
- Up to 32GB DDR2 667 & 533 SDRAM Fully Buffered DIMM (FB-DIMM)
- 2 (x8) & 1 (x4) PCI-Express, 2x 64-bit 133MHz PCI-X, 1x 64-bit 100MHz PCI-X
- Low-profile Expansion Slots
- Intel® (ESB2/Gilgal) 82563EB Dual-port Gigabit Ethernet Controller
- 8 x 3.5" Hot-swap SAS Drive Trays with SES2

Processor / Cache

CPU	• Supports up to two Intel® 64-bit Xeon processor(s) of the same type Quad-Core Intel Xeon processor 5400/5300 sequence (Harpertown/Clovertown processor) up to 3.16 GHz
System Bus	• 1333 / 1066 / 667 MHz system bus

Operating System Software

Software	• Red Hat® Linux® ES 3 (Update 4 & 5) • MS® Win 2003 Server Standard Edition • MS Win 2003 Server Enterprise Edition • MS Win 2003 Server Enterprise Edition x64 • SuSE® Linux® SLES 9.0 & +SP2 • VMware® ESX 3 & 3.5

System Memory

Memory Capacity	• Eight 240-pin DIMM sockets • Supports up to 32 GB 667 / 533MHz DDR2 ECC FB-DIMM memory • Dual branch memory bus • Memory must be populated in pairs • Memory Mirroring supported
Memory Type	• 667 / 533MHz FB-DIMM (Fully Buffered DIMM) ECC DDR2 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	• 512 MB, 1GB, 2GB, 4GB

On-Board Devices

SATA	• Intel ESB2 SATA 3.0Gbps controller • RAID 0, 1, 5, 10 support (Windows Only) • RAID 0, 1, 10 support (Linux)
SAS	• Adaptec AIC-9410 Serial-Attached SCSI (SAS) Controller • SAS Dual-Channel (internal) • Each SAS channel supports up to 4 SAS / SATA drives for a total of up to 8 SAS or SATA hard drives • Host RAID 0, 1, & 10 support
RAID	• Support for Zero-Channel RAID with optional card
IPMI	• Support for Intelligent Platform Management Interface v.2.0 • 200-pin IPMI slot (SIMLP) as option
Network Controllers	• Intel (ESB2/Gilgal) 82563EB Dual-Port Gigabit Ethernet Controller • Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output • Intel I/OAT support for fast, scaleable, and reliable networking
Graphics	• ATI ES1000 controller with 16 MB of video memory
I / O	• Winbond 83627HG chip

Input / Output

SAS	• Eight SAS / SATA (internal) ports • Up to 8 SAS / SATA hard drives supported
Serial ATA	• Six Serial ATA ports • Six SATA hard drives supported
IDE	• Single EIDE channel supports up to two UDMA IDE devices (IDE-M, IDE-S) including CF (Compact Flash) card • Compact Flash (40-pin connector, IDE 1, single channel) slot • Supports UDMA Mode 5, PIO Mode 4, and ATA/100
Floppy	• 1 Floppy controller: 1.44 MB, 2.88 MB
LAN	• 2x RJ45 LAN ports
USB	• 2x USB rear ports • 3x USB internal headers • Total 5 USB 2.0 Compliant / 1.1 Compliant
VGA	• 1x VGA Port
Keyboard / Mouse	• PS/2 keyboard and mouse ports • Keyboard and optical mouse optional

Empowered by Innovation NEC

Serial Port / Header	• 1 Fast UART 16550 serial port • 1 Fast UART 16550 serial header
Parallel Port	• 1 ECP / EEP parallel port

Chassis

Form Factor	• 2u Rackmount

Expansion Slots

PCI-Express	• 2 (x8) PCI-e slots • 1 (x4) PCI-e (using x8) slot • 1 SEPC (Supermicro PCI-e Power Connector) slot for 2u active riser cards with a power extension (i.e. CSE-RR2UE-AX)
PCI-X	• 2x 64-bit 133MHz PCI-X (3.3V) slots • 1x 64-bit 100MHz PCI-X (3.3V) slot

System BIOS

BIOS Type	• 8MB Flash EEPROM with Phoenix® BIOS
BIOS Features	• Plug and Play (PnP) • SMBIOS 2.3 • DMI 2.1 • PCI 2.2 • ACPI 1.0 • USB Keyboard support • Hardware BIOS Virus protection

Management

Software	• Optional IPMI (Intelligent Platform Management Interface) 2.0 • SuperDoctor III • Watch Dog • NMI
Power Configurations	• ACPI Power Management • Main Switch Override Mechanism • Wake-On-Ring (WOR) header • Wake-On-LAN (WOL) header • Power-on mode for AC power recovery • Internal / External modem remote ring-on

PC Health Monitoring

CPU	• Monitors for CPU Cores, +3.3V, +5V, ±12V, +1.2V • 5-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V
FAN	• Total of four 3-pin and four 4-pin fan headers supporting up to 8 fans • 8x fans with tachometer status monitoring • Status monitor for speed control • Status monitor for on/off control • Low noise fan speed control • Pulse Width Modulated (PWM) fan connectors
Temperature	• Monitoring for CPU and chassis environment • CPU thermal trip support • Thermal Control for 8x fan connectors • PSU I2C temperature sensing logic • Thermal Monitor 2 (TM2) support

LED	• CPU / System Overheat LED
Other Features	• Chassis intrusion detection • Chassis intrusion header • SDDC Support

Dimensions

Height	• 3.5" (89mm)
Width	• 17.2" (437mm)
Depth	• 25.5" (648mm)
Gross Weight	• 53 lbs (24.0kg)

Front Panel

Buttons	• Power On/Off button • System Reset button
LEDs	• Power LED • Hard drive activity LED • 2x network activity LEDs • System overheat LED / fan fail LED • Power fail LED
Ports	• 2x USB & DB9 COM port

Drive Bays

Hot-swap	• 8 x 3.5" Hot-swap SAS drive trays

Peripheral Drives

DVD-ROM	• Slim 8x DVD, 24x CD, DVD-ROM drive
Floppy	• Slim 1.44MB Floppy Drive (Optional)

SAS / SATA Backplane

• 1x SAS / SATA backplane

System Cooling

Fans	• 3x 80mm 6300 RPM fans
Shroud	• 1x Air Shroud

Power Supply

700W (1 + 1) Redundant AC-DC high-efficiency power supply w/ PFC	
AC Voltage	• 100 - 240V, 60-50Hz

Operating Environment / Compliance

RoHS - RoHS Compliant 5/6, Server Exemption

Environmental Spec.
Operating Temperature: 10°to 35°C (50°to 95°F)
Non-operating Temperature: -40°to 70°C (-40°to 158°F)
Operating Relative Humidity: 8% to 90% (non-condensing)
Non-operating Relative Humidity: 5 to 95% (non-condensing)

Compliance
USA - UL listed
Canada - CUL listed
Germany - TUV Certified
EN 60950/IEC 60950-Compliant
CB Report
CCC Certification

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